

Abstract

A semen extender composition is provided. The semen extender composition includes a sperm cell protecting amount of phospholipid, an effective amount of surfactant to reduce ice crystal formation during freezing of the composition; a carbohydrate, and a biological buffer to provide a semen extender use solution having a pH of between about 6.9 and about 7.5, and wherein the use solution exhibits an osmolality of about 250 mOsM to about 350 mOsM. Methods for manufacturing and using a semen extender composition are provided.

